

<110> Roitsch, Thomas

<120> promotor system, its production and use

<130> R30024PCT

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<160> 20

<170> PatentIn Ver. 2.1

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<212> DNA

<213> Nicotiana tabacum

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<221> unsure

<222> location (1274), (1418), (1585), (1712), (2952), (2953)

<223> n is any nucleotide

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gtttttgccg	aattttctagt	agtgaccgaa	ccctgtaagc	ttcgggagaa	2900
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gnngcaccct	gaatactaga	agcctttagg	ggcactagat	gagcagaata	3000
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<210> 9

<211> 19

<212> DNA

<213> artificial sequence

<220>  
 <223> description of artificial sequence: primer  
  
 <400> 9  
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 <210> 10  
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 <220>  
 <223> description of artificial sequence: primer  
  
 <400> 10  
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 <210> 11  
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 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> description of artificial sequence: primer  
  
 <400> 11  
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 <210> 12  
 <211> 30  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> description of artificial sequence: primer  
  
 <400> 12  
 gcgcggatcc tctaaacagc tccattttcc 30  
  
 <210> 13  
 <211> 30  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> description of artificial sequence: primer  
  
 <400> 13  
 ccgtctcgag tctatcatct attctaccag 30  
  
 <210> 14  
 <211> 24  
 <212> DNA  
 <213> artificial sequence  
  
 <220>

<223> description of artificial sequence: primer

<400> 14  
gttttcatta ttggggagac catc

24

<210> 15  
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<212> DNA  
<213> *Nicotiana tabacum*

<220>  
<223> genomic sequence of extracellular invertase NIN 88

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tcaattatga cgttttttacg tgcttccaat cctcaaaaga tgctaataatc 150  
acttctaact acagaactgg ttaccatttt caacccccca agaactgtat 200  
gaatggtacg tttctctccc ctccaccca cccaccccc tcttctgttg 250  
ttgcttttga tatgtgtata tatatatata tatccatttt ttgctcggta 300  
tcggcattag gatccactaa attcggcatt gaggggtaat taggcgtcta 350  
acaaagtcaa ttccataact agggctcgaa cccgagactt ccgattaaaa 400  
atgaaggagt acttaacact tattctgtaa cattaaacaa tagacatcct 450  
actcctctaa actcatttgt atttttaaaa tatctatttt accctcgatc 500  
ttattagcct tcactctactt tttttttttt tactttttta atatcacaat 550  
attttcttat tctatgttat gaatttacct atagtgaaca taaaatttaa 600  
aaaagggtgaa aaacaataat caatcatata cttattgaag ttagaataat 650  
gaaacaaatg ggcgcaatta aaatattaga ataacagatc ttattaatat 700  
caatcaaata aaatttagtt cagtaatata aaaaaataat taaacataga 750  
ggtagatttt ctaagaaatt ctaaaaagat tatatattta taacttagaa 800  
aatattttgt taatgaaaat aaatattcaa agatatatac agaacaacaa 850  
caacaaccgc accttaccct taccctgggg tagagagact gtttccgata 900  
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ctcgaactca caacctctta gttggaagt gatggtgctt accactagag 1000  
caaccgcgtc ttgtccgaag atatatacag aaacatgtaa taaagaataa 1050  
aagagaaagt aaaacttaaa tatatagata atattaatgt aacgataaaa 1100  
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aaattttatt gagttttaat tatataattt atcataagat attaaaattg 1200  
gtaaaaact taggctaatt ataaaataca tcttatataa tattaaaaaa 1250  
aatagaggag aaattgaaaa tgtcaagggt aaaatagaaa atgcatatga 1300  
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ttaagataaa attaggggat gaaaatgatt ttacacttt aatagataga 1400  
tcctactgaa acacgtgtga gttccaaaag caaaaaacga aaaaggaacc 1450  
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tctcgatg	ttcaaaca	caaataga	ccaatggt	gtcagaa	2500
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tatcatct	tctaccag	caatccaa	ggatcaac	tgaacaac	2650
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agtggtag	gccaacat	cccaagt	aaattacg	gtcccggc	2850
acttatcc	tccatatc	cgtgaatg	acaagccc	taacaacc	2900
ttgatcgt	cggatatc	catcacca	acccaatt	gtgaccgc	2950
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caagaaac	tggtgggt	gcaatatt	atagaagt	gaatttc	3050
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tagatgca	gtacaacg	aaatatgt	agtacgtt	caagaata	3200
cttcctgt	ccgcgttg	gtactaca	attggtac	atgatgcc	3250
acaagata	tatattcc	ataacact	agtcgatg	tggaaagg	3300
tgagactt	ctatggca	ttctacgc	ctaagtcg	ctacgacc	3350
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tgaaga	aaaactct	gaaagcaa	tgtccgat	agcaacaa	3550
ggctgg	tggagaaa	attgaagt	aaggaatc	agcgtcgc	3600
gtttaga	ttttctag	tttaattg	aagcattt	aataaa	3650
tcttcaca	ttaaggct	gttgggac	ctattgaa	tgccaggc	3700
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gatccta	gggctgat	ttatgcac	gatgtttg	caattaagg	3800
ttcaact	ccaggtgg	ttgggcc	tggccttg	acattggc	3850
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 <212> DNA  
 <213> artificial sequence

<220>  
 <223> description of artificial sequence: primer

<400> 16  
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24

<210> 17  
 <211> 27  
 <212> DNA  
 <213> artificial sequence

<220>  
 <223> description of artificial sequence: primer

<400> 17  
 ggt aca tat gat gcc aaa caa gat agg

27

<210> 18  
 <211> 27

<212> DNA  
<213> artificial sequence

<220>  
<223> description of artificial sequence: primer

<400> 18  
gtg gtg gag agc ttt gga gca aaa agg 27

<210> 19  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> description of artificial sequence: primer

<400> 19  
gtt gca ctt cgt ttg tcc gaa agc 24

<210> 20  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> description of artificial sequence: primer

<400> 20  
gga gtt tga ttg ata act cag tag 24